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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/624,285	07/24/2000	Michael Maguire	555255012115	6347

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EXAMINER

BURGE, LONDRA C

ART UNIT	PAPER NUMBER
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2178

DATE MAILED: 11/06/2003

5

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/624,285

Applicant(s)

MAGUIRE, MICHAEL

Examiner

Londra C Burge

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 24 July 2000.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-21 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-21 is/are rejected.
- 7) ☒ Claim(s) 7-10, 12 and 14-17 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 24 July 2000 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 4.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other:

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DETAILED ACTION

1. This action is responsive to communications: original application filed on 7/24/2000 and IDS filed on 1/10/2002.
2. Claims 1-21 are pending. Claims 1, 11, 18, and 19 are independent claims.

Drawings

The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they do not include the following reference sign(s) mentioned in the description:

- A reference to fetch and cache 36 is written on (page 8, line 20), however there is not a reference to 36 in the actual drawing. It is understood from the drawing that fetch in cache is labeled as 34.
- A reference to a wireless transport layer 40 is written on (page 9, line 1), however there is not a reference to 40 in the actual drawing. It is understood from the drawing that a wireless transport layer is labeled as 42.

A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they include the following reference sign(s) not mentioned in the description:

- Figure 2 contains a wireless transport labeled 42, however 42 is not discussed in the specification. A wireless transport layer is labeled as 40 in the specification.
- Figure 5 contains an image labeled 120, however 120 is not discussed in the specification.

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A proposed drawing correction, corrected drawings, or amendment to the specification to add the reference sign(s) in the description, are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

Claim Objections

3. Claims 7-10, 12 and 14-17 are objected to because of the following informalities:

- Dependent claims 7-10 refer to a handheld device in independent claim 11.

Independent claim 11 does not mention a handheld device, however independent claim 1 does mention a handheld device. Dependent claims should refer to independent claim 1.

- Dependent claim 12 refers to step (d) in dependent claim 8, however dependent claim 8 does not contain a step (d). Dependent claim 12 should refer to step (d), which is located in independent claim 11.

- Dependent claims 14-17 refer to a handheld device in independent claim 11.

Independent claim 11 does not contain a handheld device.

Appropriate correction is required.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

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5. **Claims 1-9, 11-16, 18-21 are rejected under 35 U.S.C. 102(a) as being anticipated by Bickmore, et al. (herein after Bickmore) European Patent No. EP0949571 (Provided by the applicant in IDS).**

In regard to independent claim 1, Bickmore discloses of an invention that is directed to document re-authoring systems and methods that automatically re-author arbitrary documents from the world-wide web to display the documents appropriately on small screen devices, such as personal digital assistants (PDAs) and cellular phones, providing device-independent access to the web (Bickmore Paragraph 1 Lines 1-4). "As shown in Fig. 1, the document 100 is converted into a list of sections page 110 and each section is elided into a page 111. That is, the contents 106 of each section 102 of the document 100 is elided from the document 100 and each section header 104 is converted into a hypertext link." (Bickmore Figure 1.

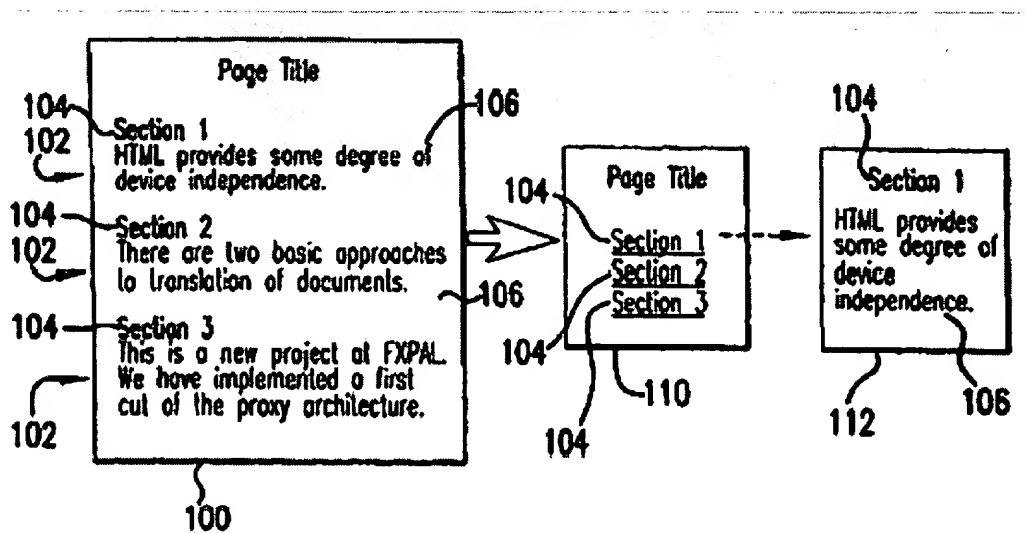


FIG.1

Compare to claim 1 "A gateway device coupled to the source of information and configured to control a flow of information from the source of information; and a handheld device coupled to the gateway device of receiving the information, the gateway device being configured to reduce

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the information into a graphical representation and a map linked to the graphical representation such that the handheld device receives an abbreviated representation of the information;”).

In regard to dependent claim 2, Bickmore discloses of “one exemplary document re-authoring system and method according to this invention.... has been implemented as an HTTP proxy server. The HTTP proxy server accepts a request for an HTML document, retrieves the document from the specified HTTP server, parses the HTML document, constructs the parse tree, or abstract syntax tree, from the retrieved HTML document, labels each of the parse tree nodes with a unique identifier, and then retrieves any embedded images so that the size of the retrieved images can be determined, as necessary.” (Bickmore Paragraph 67 Lines 35-40.; compare with claim 2 “...*a Hypertext Transfer Protocol (HTTP) fetch and cache couples to the source of information; and a storage device coupled to the fetch and cache component, configured to store the information;”).*

In regard to dependent claim 3, Bickmore discloses of “the limited display area device 510 will normally be a personal digital assistance (PDA), a cellular phone or the like that is connected by a wireless communication channel 530 to the transmitter/receiver communication system 550 (Bickmore Paragraph 73 Lines 28-30 and Figure 6; compare with claim 3 “...*the gateway device further comprises a wireless transport layer coupled between the storage device and the handheld device”.*

In regard to dependent claim 4, Bickmore discloses of “A first re-authored page is transmitted by the host node 570 over either the wireless communication link 530 or the communication link 522 to the limited display area device 510. (Bickmore Paragraph 77 Lines

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11-13 and Figure 7; compare with claim 4 “...*the gateway device further comprises a wireless methods component coupled between the storage device and the handheld device*”.

In regard to dependent claims 5 and 6, Bickmore discloses “The automatic document re-authoring and document filtering systems and methods of this invention provide an automatic document re-authoring capability coupled with document filtering to provide access to arbitrary documents on a distributed network, such as the Internet or an intranet, to devices with limited communications bandwidth and small displays (Bickmore Paragraph 24 Lines 53-56; compare with claims 5 and 6 “...*wherein the source of information is an internet source or Intranet source*”).

In regard to dependent claims 7, 8 and 9, Bickmore discloses that automatically re-author arbitrary documents from the world-wide web to display the documents appropriately on small screen devices, such as personal digital assistants (PDAs) and cellular phones, providing device-independent access to the web (Bickmore Paragraph 1 Lines 1-3; compare with claims 7, 8 and 9, “... *wherein the handheld device is a PDA and wherein the handheld device is a cellular telephone and wherein the handheld device is a Internet appliance.*”

In regard to independent claim 11, Bickmore discloses of “An automatic re-authoring system and method re-author a document originally designed for display on a desktop computer screen for display on a smaller display screen, such as those used with a PDA or a cellular telephone. The automatic re-authoring system and method input a document to be re-authored and re-authoring parameters, such as display screen size, default font and the like. (Bickmore Abstract Lines 1-8; compare with claim 11 “*a method comprising the steps of: requesting information through a wireless device couples to a host device; receiving the requested*

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information at the host device from an information source; rendering the requested information, abbreviating the rendered information; transmitting the abbreviated rendered information from the host device to the wireless device; and displaying the abbreviated rendered information data on the wireless device."

In regard to dependent claim 12, Bickmore discloses that "information can include text strings, images, tables of text strings and images, links to other web pages and formatting information that defines the layout of the text strings, images, tables and links within the web page. (Bickmore Paragraph 29 Lines 4-5). Bickmore also discloses that "removed images may be used as anchors for hypertext links via a client-side image map." (Bickmore Paragraph 53 Lines 2-3; compare with claim 12, "*...generating a bitmap of the rendered information; generating an image map of the rendered information and coupling the image map to the bitmap."*

In regard to dependent claim 13, Bickmore discloses of "When a transformation is applied to a document it can result in the document's contents being split into multiple, smaller "sub-pages", as shown in Fig. 2 (Bickmore Paragraph 61 Lines 50-51 and Figure 2;

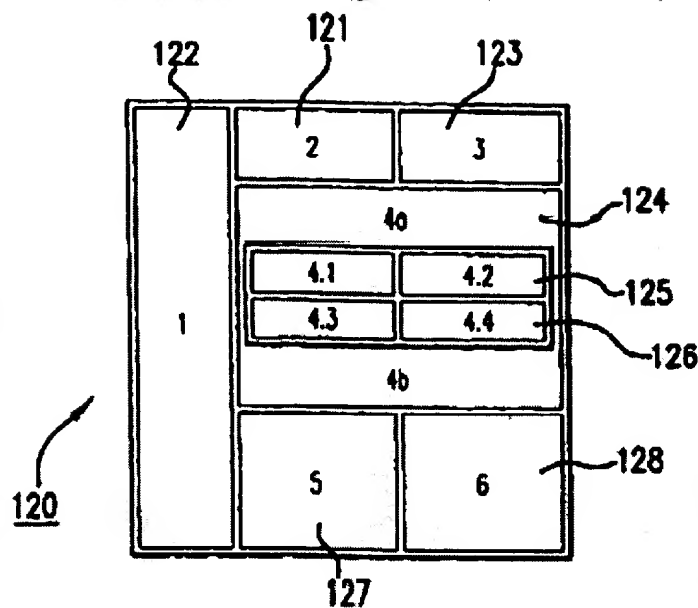


FIG. 2

compare with claim 13; “.... wherein the information contains framed objects.”

In regard to dependent claims 14, 15 and 16, Bickmore discloses that automatically re-author arbitrary documents from the world-wide web to display the documents appropriately on small screen devices, such as personal digital assistants (PDAs) and cellular phones, providing device-independent access to the web (Bickmore Paragraph 1 Lines 1-3; compare with claims 14, 15 and 16, “... wherein the handheld device is a PDA and wherein the handheld device is a cellular telephone and wherein the handheld device is an Internet appliance.”

In regard to independent claim 18, Bickmore discloses of “An automatic re-authoring system and method re-author a document originally designed for display on a desktop computer screen for display on a smaller display screen, such as those used with a PDA or a cellular telephone. The automatic re-authoring system and method input a document to be re-authored and re-authoring parameters, such as display screen size, default font and the like. (Bickmore

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Abstract Lines 1-8; compare with claim 18, *"A computer readable medium containing instructions for transmitting abbreviated rendered data to be displayed on a wireless device, comprising instructions for: receiving information through a wireless device couples to a host device; receiving the requested information at the host device from an information source; rendering the requested information, abbreviating the rendered information; transmitting the abbreviated rendered information from the host device to the wireless device."*

In regard to independent claim 19, Bickmore discloses of "An automatic re-authoring system and method re-author a document originally designed for display on a desktop computer screen for display on a smaller display screen, such as those used with a PDA or a cellular telephone. The automatic re-authoring system and method input a document to be re-authored and re-authoring parameters, such as display screen size, default font and the like. (Bickmore Abstract Lines 1-8; compare with claim 19, *"A computer-readable medium containing instructions for displaying abbreviated information data on a wireless device, comprising instructions for: transmitting information through the wireless device coupled to a host device; receiving the requested information in an abbreviated in an abbreviated format at the wireless device from the host device; displaying the requested information in an abbreviated format at the wireless device from the host device."*

In regard to dependent claim 20, Bickmore discloses that "This invention separately provides systems and methods that automatically transform a document into a plurality of linked subdocuments, where each subdocument requires less display area." (Bickmore Paragraph 13 Lines 3-4; compare claim 20, *"A computer-readable medium containing instructions for*

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displaying abbreviated information data on a wireless device.... Wherein the abbreviated format contains a plurality of image areas."

In regard to dependent claim 21, Bickmore discloses that "when the user of the limited display area device 510 wishes to review a particular document residing on a distributed network, the user sends a request for the particular document from the limited display area device 510 to an HTTP proxy server 571 residing on the host node 570 of the distributed network. The HTTP proxy server 571 then transmits the request for the particular document to the particular remote node 591 on the distributed network that stores the requested page. The particular remote node 591 returns the requested original document to a document re-authoring system 600 residing on the HTTP proxy server 571. The document re-authoring system 600 re-authors the original document into a plurality of subdocuments that are each capable, as closely as possible, of being displayed on the limited display area device 510. The document re-authoring system 600 then delivers the first re-authored to page to the limited display area device 510, while the other re-authored sub-pages are stored in a re-authored sub-page cache 636 of the document re-authoring system 600. Thus, when the user of the limited display area device 510 wishes to view information residing on one of the re-authored sub-pages stored in the re-authored sub-page cache 636, the user causes the limited display area device 510 to transmit a request for that sub-page. The requested cached sub-pages are delivered from the re-authored sub-page cache 636 to the limited display area device 510. "Bickmore Paragraph 78 Lines 22-37 and Figure 7; compare with claim 21, "*.... toggling, via and input means on the wireless device, between the plurality of image areas to select an image area; transmitting, from the wireless device to the host device, a second information relating to the selected image area; and,*

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receiving a second requested information relating to the selected image area at the wireless device from the host device."

Claim Rejections - 35 USC § 103

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

7. **Claims 10 and 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bickmore, et al. (herein after Bickmore) European Patent No. EP0949571 (Provided by the applicant in IDS), in view of King et al. (herein after King), U.S. Patent No. 5,953,541 issued September 1999.**

In regard to dependent claims 10 and 17, Bickmore does not specifically disclose of a handheld device that is a two-way pager. However, King "discloses a small handheld two-way pager it can be used to reply to received e-mail. (King Column 7 Lines 12-14; compare with claims 10 and 17, "... wherein the handheld device is a two-way pager."

Conclusion

8. **The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.**

Baecker et al.	U.S. Patent No. 5,479,602	issued	12/1995
Withgott et al.	U.S. Patent No. 5,491,760	issued	02/1996
Bloomberg	U.S. Patent No. 5,765,176	issued	06/1998

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Light

U.S. Patent No. 5,973,693

issued

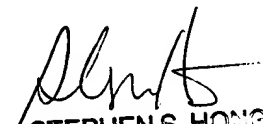
10/1999

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Londra C Burge whose telephone number is 703-305-8784. The examiner can normally be reached on 8:30am to 5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Heather Herndon can be reached on 703-308-5186. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.

LCB


STEPHEN S. HONG
PRIMARY EXAMINER